AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- (Canceled).
- (Currently Amended) The GaN-based semiconductor light emitting diode as set forth in elaim 7claim 11,

wherein the alloy layer is made of one hydrogen-storing alloy selected from the group consisting of Mn-based hydrogen-storing alloys, La-based hydrogen-storing alloys, Ni-based hydrogen-storing alloys and Mg-based hydrogen-storing alloys.

- (Original) The GaN-based semiconductor light emitting diode as set forth in claim 2, wherein the Mn-based hydrogen-storing alloy is MnNiFe or MnNi.
- (Original) The GaN-based semiconductor light emitting diode as set forth in claim 2, wherein the La-based hydrogen-storing alloy is LaNis.
- (Original) The GaN-based semiconductor light emitting diode as set forth in claim 2, wherein the Ni-based hydrogen-storing allov is ZnNi or MeNi.
- 6. (Original) The GaN-based semiconductor light emitting diode as set forth in claim 2,

wherein the Mg-based hydrogen-storing alloy is ZnMg.

7-10. (Canceled).

11. (Currently Amended) The GaN-based A GaN-based semiconductor light emitting diode as set forth in claim 7, further_comprising:

a substrate on which a GaN-based semiconductor material is grown;

a lower clad layer formed on the substrate, and made of a first conductive GaN semiconductor material:

an active layer formed on a designated portion of the lower clad layer, and made of an undoped GaN semiconductor material;

an upper clad layer formed on the active layer, and made of a second conductive GaN semiconductor material;

an alloy layer formed on the upper clad layer, and made of a hydrogen-storing alloy; and

a seeond-metal layer formed on the alloy layer, and made of one metal selected from the group consisting of Rh, Al and Ag.

- (Original) The GaN-based semiconductor light emitting diode as set forth in claim 11, wherein the second metal layer has a thickness of 500Å to 10,000Å.
- 13. (Withdrawn) A method for manufacturing a GaN-based semiconductor light emitting diode comprising the steps of:
- (a) preparing a substrate on which a GaN-based semiconductor material is grown;
- (b) forming a lower clad layer, made of a first conductive GaN semiconductor material, on the substrate;
- (c) forming an active layer, made of an undoped GaN semiconductor material, on the lower clad layer;

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(d) forming an upper clad layer, made of a second conductive GaN semiconductor material, on

the active layer;

(e) removing designated portions of the upper clad layer and the active layer so as to expose a

portion of the lower clad layer; and

(f) forming an alloy layer made of a hydrogen-storing alloy on the upper clad layer.

14-36. (Canceled).

37. (Currently Amended) The GaN-based semiconductor light emitting diode as set forth

in elaim 7claim 11, wherein the alloy layer is made of one hydrogen-storing alloy selected from

the group consisting of ZnNi and ZnMg.

38. (Currently Amended) The GaN-based semiconductor light emitting diode as set forth

in elaim 7claim 11, further comprising:

a metal layer on an upper surface of the alloy layer; and

an electrode layer on an upper surface of the metal layer;

wherein said electrode layer occupies only a middle region of the upper surface of said

metal layer without covering a peripheral region of the upper surface of said metal layer,

said peripheral region surrounding said middle region.

(Canceled).

40. (Currently Amended) The GaN-based semiconductor light emitting diode as set forth

in elaim 7claim 11, wherein the hydrogen-storing alloy is MnNiFe.

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41. (Currently Amended) The GaN-based semiconductor light emitting diode as set forth in elaim 7claim 11, wherein the hydrogen-storing alloy is ZnNi.